

OCT 30 2001

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 016779/0154	SERIAL NO. 09/667,556
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Alexander Burger, <i>et al.</i>	
		FILING DATE September 22, 2000	GROUP ART UNIT 1648

U.S. PATENT DOCUMENTS

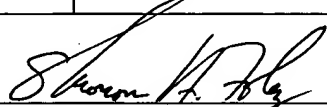
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
8/15 OCT 9/8 2001 PATENT & TRADEMARK OFFICE	A1	5,618,536	04/08/97	Lowy, et al.	424	192.1	
	A2	6,165,471	12/2000	Garcea, et al.	424	186.1	
	A3	6,066,324	05/2000	Gissmann, et al.	424	204.1	

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
8/15	A4	WO 93/02184	02/1993	WIPO				
	A5	WO 93/20844	10/1933	WIPO				
	A6	WO 94/00152	01/1994	WIPO				
8/15	A7	WO 96/11272	04/1996	WIPO				Abstract

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8/15	A8	Karasuyama, et al., "Establishment Of Mouse Lines Which Constitutively Secrete Large Quantities Of Interleukin 2, 3, 4 Or 5, Using Modified cDNA Expression Vectors", <i>Immunol.</i> , pp. 97-104, (1988)
	A9	G. SHAW et al., "GENETICS", <u>A Conserved AU Sequence from the 3' Untranslated Region of GM-CSF mRNA Mediates Selective mRNA Degradation</u> , pp. 659-667 (1988).
	A10	M. HAGENSEE et al., "JOURNAL OF VIROLOGY", <u>Self-Assembly of Human Papillomavirus Type 1 Capsids by Expression of the L1 Protein Alone or by Coexpression of the L1 and L2 Capsid Proteins</u> , pp. 315-322 (1993).
	A11	XI et al., "JOURNAL OF GENERAL VIROLOGY", <u>Baculovirus expression of the human papillomavirus type 16 capsid proteins: detection of L1-L2 protein complexes</u> , pp. 2981-2988 (1991).
8/15	A12	R.C. ROSE et al., "JOURNAL OF VIROLOGY", Vol. 67, No. 4, <u>Expression of Human Papillomavirus Type 11 L1 Protein in Insect Cells: In Vivo and In Vitro Assembly of Viruslike Particles</u> , pp. 1936-1944, (04-1993)

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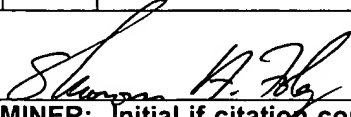
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8/11	A13	WO 93/21958	11/1993	WIPO				
/	A14	WO 94/05792	03/1994	WIPO				
/	A15	WO 94/20137	09/1994	WIPO				
8/11	A16	343 783	04/20/89	EUROPE				

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8/11	A17	J. ZHOU et al., "VIROLOGY", Vol. 185, <u>Expression of Vaccinia Recombinant HPV 16 L1 and L2 ORF Proteins in Epithelial Cells is Sufficient for Assembly of HPV Virion-like Particles</u> , pp. 251-257, (1991)
/	A18	M.S. BARBOSA et al., "JOURNAL OF VIROLOGY", Vol. 65 No. 1, <u>In Vitro Biological Activities of the E6 and E7 Genes Vary among Human Papillomaviruses of Different Oncogenic Potential</u> , pp. 292-298, (01-1991)
/	A19	J.M. ARBEIT et al., "JOURNAL OF VIROLOGY", Vol. 68, <u>Progressive Squamous Epithelial neoplasia in K14-Human Papillomavirus Type 16 Transgenic Mice</u> , pp. 4358-4368, (07-1994)
/	A20	P. KAUR et al., "J. GEN. VIROLOGY", Vol. 70, <u>Immortalization of Primary Human Epithelial Cells by Cloned Cervical Carcinoma DNA Containing Human Papillomavirus Type 16 E6/E7 Open Reading Frames</u> , pp. 1261-1266, (1989)
8/11	A21	L. GAO et al., "JOURNAL OF GENERAL VIROLOGY", Vol. 75, <u>Immune Response to Human Papillomavirus Type 16 E6 Gene in a Live Vaccinia Vector</u> , pp. 157-164, (1994)

EXAMINER <i>Sharon A. Felt</i>	DATE CONSIDERED <i>11/3/01</i>
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SAF	A22	390 252	03/15/90	EUROPE			
	A23	WO 93/00436	01/07/93	WIPO			
	A24	WO 96/19496	06/27/96	WIPO			
SAF	A25	WO 96/11274	04/18/96	WIPO			
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SAF	A26	TINDLE, et al., "VIROLOGY", Chimeric Hepatiti B Core Antigen Particles Containing B- and Th-Epitopes of Human Papillomavirus type 16 E7 Protein Induce Spec. Antibody and T-Helper... pp. 547-557 (1994).					
	A27	KIRNBAUER et al., "PROC. NATL. ACAD. SCIENCE", Papillomavirus L1 major capsid protein self-assembles into virus-like particles that are highly immunogenic, VOL. 89, pp. 12180-12184 (1992).					
	A28	CARTER et al., "VIROLOGY", Expression of Human Papillomavirus Proteins in Yeast Saccharomyces Cerevisiae, pp. 513-521 (1991).					
	A29	STRIKE et al., Expression in Escherichia coli of Seven DNA Fragments Comprising the Complete L1 and L2 Open Reading Frames of Human Papillomavirus Type 6b and Localization of the 'Common Antigen' Region, VIROLOGY", pp. 543-555 (1989).					
SAF	A30	SCHAFER et al., Immune Response to Human Papillomavirus 16 L1E7 Chimeric Virus-Like Particles: Induction of Cytotoxic T Cells and Specific Tumor Protection, "Int. J. Cancer" Vol. 81, pp. 881-888 (1999).					
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SH	A31	ROSE et al., <u>Expression of the full-length products of the human papillomavirus type 6b (HPB-6b) and HPV-11 L2 open reading frames by recombinant baculovirus, and antigenic comparisons with HPV-11 whole virus particles.</u> "JOURNAL OF GENERAL VIROLOGY", Vol. 71, pp. 2725-2729 (1990).
	A32	MULLER et al., <u>Chimeric papillomavirus-like Particles</u> , "VIROLOGY", pp. 93-111 (1997).
	A33	J. ZHOU et al., "VIROLOGY", Vol. 185, <u>Identification of the Nuclear Localization Signal of Human Papillomavirus Type 16 L1 Protein</u> , pp. 625-632, (1991)
	A34	R. KIRNBAUER et al., "JOURNAL OF VIROLOGY", Vol. 67 No. 12, <u>Efficient Self-Assembly of Human Papillomavirus Type 16 L1 and L1-L2 into Virus-Like Particles</u> , pp. 6929-6936, (12-1993)
SH	A35	J.A. RAWLS et al., "JOURNAL OF VIROLOGY", Vol. 64 No. 12, <u>Chemical Synthesis of Human Papillomavirus Type 16 E7 Oncoprotein: Autonomous Protein Domains for Induction of Cellular DNA Synthesis and for <i>trans</i> Activation</u> , pp. 6121-6129, (12-1990)

EXAMINER <i>Shannon H. Dye</i>	DATE CONSIDERED 11/8/01
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Sharon A. Fly

11/3/01